

IN THE CLAIMS

Kindly amend independent claim 1 as shown in the following claim listing:

1. (currently amended) A sensor comprising a substrate (1) and at least one resonator, said resonator ~~is comprised of~~ comprising an acoustic reflector (2), a first and a second electrode (3,4), a piezoelectric layer (5) separated from said substrate by said acoustic reflector, and a sensing layer (6), wherein the first and the second electrode (3, 4) are placed on the same side of the piezoelectric layer (5).

2. (original) The sensor of claim 1 wherein the first and the second electrode (3, 4) are interdigitated electrodes.

3. (previously presented) The sensor of claim 1 wherein the sensor comprises a plurality of individually addressable resonators.

4. (original) The sensor of claim 3 wherein the sensing layers (6) of the different resonators comprise different materials.